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TCS-84011/65
May 1965

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

S-17574

AIRCRAFT ENGINE PLANT NO 45 MOSCOW, USSR



DECLASS REVIEW by NIMA/DOD

Handle Via TALENT - KEYHOLE Control Only

PHOTOGRAPHIC INTELLIGENCE DIVISION

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GROUP 1
Excluded from automatic
downgrading and declassification

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AIRCRAFT ENGINE PLANT NO 45, MOSCOW, USSR

25X1A
25X1A

Aircraft Engine Plant No 45 [REDACTED] is located on the eastern edge of Moscow, 3.5 nautical miles east-northeast of the center of the city at 55-46-20N 37-43-15E (Figure 1). The plant is surrounded by a wall and is served by rail spurs from the Moscow-Voskresensk rail line. Item numbers which are keyed to Table 1 appear in Figure 4.

25X1D

[REDACTED] (Figure 2) the plant contained 2,130,060 square feet of floorspace. A comparison of that photography with KEYHOLE photography of [REDACTED] (Figure 3) revealed that 109,045 square feet of floorspace had been added to the plant. By [REDACTED] the total floorspace in the plant was approximately 2,239,125 square feet.

25X1D

25X1D

25X1D

25X1D

plant, and 3 existing facilities have been expanded. A fuel blending facility (item 1) and a shipment building (item 16) have been constructed. A storage building (item 18) has been enlarged, and 9,900 square feet have been added to an existing workshop (item 19). A total of 27,700 square feet of floorspace has been added to the north end of an assembly building (item 2), and 12,600 square feet have been removed from the west side of this building.

[REDACTED] 12 of the original 32 U-type test cells in this assembly building were being converted to L-type test cells, and 4 in the outside bank of test cells were probably being removed. With the exception of the assembly building, all buildings in the plant were complete when observed in [REDACTED] 25X1D

25X1D
25X1D

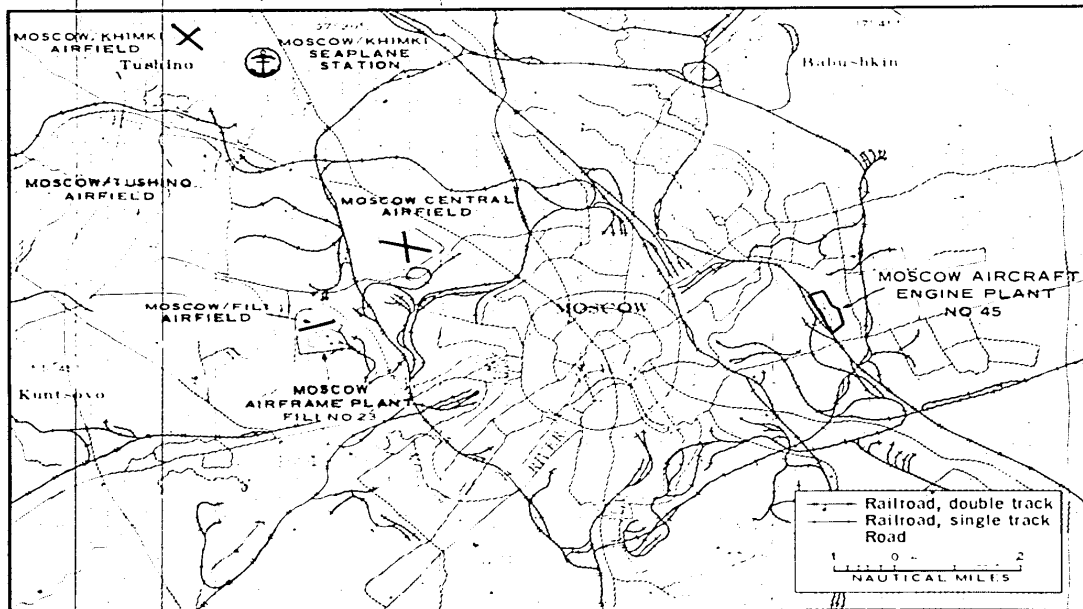


FIGURE 1. LOCATION MAP.

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FIGURE 2. MOSCOW AIRCRAFT ENGINE PLANT NO 45.

25X1D



FIGURE 3. MOSCOW AIRCRAFT ENGINE PLANT NO 45.

25X1D

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 MAP OF THE
TALENT-FERRELL
CROSS-SECTION

25X1D

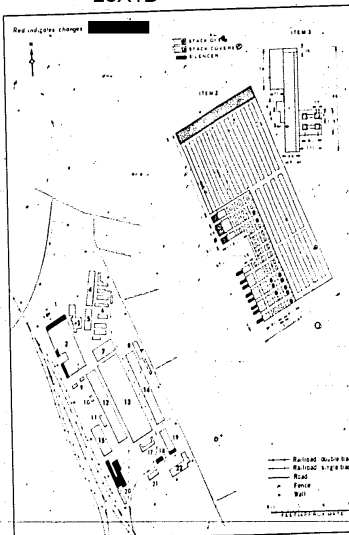


Table 1. Components of Moscow Aircraft Engine Plant No 45

Item No	Description	Dimensions (m)	Floorplate (sq. m)
1	Fuel blending facility	Irregular	348,500
2	Assembly bldg. & 26 test cells	Irregular	63,550
3	Assembly bldg. & 2 U type test cells	Irregular	64,600
4	Warehouse	540 x 120	64,800
5	Assembly bldg. & 1 U type test cell	290 x 100	29,000
6	Shops (6)		115,512
7	Subassembly bldg.	395 x 200	79,000
8	Administration bldg. 1-3 stories	Irregular	95,025
9	Workshop (2)		18,550
10	Probable steam plant	175 x 70	12,250
11	Storage bldg.	205 x 60	12,300
12	Workshop	1,135 x 175	200,625
13	Machine shop	1,320 x 410	541,200
14	Workshop	1,200 x 175	210,000
15	Workshop	470 x 160	84,800
16	Shipment bldg.	Irregular	99,770
17	Administration bldg. 10 shaped, multi-story	Irregular	59,000
18	Storage bldg.	210 x 55	11,550
19	Workshop	425 x 160	68,000
20	Storage bldg.	250 x 40	10,000
21	Storage bldg.	340 x 60	20,400
22	Subassembly bldg.	Irregular	62,850
Total floor space of plant in 1964			2,733,125

* All dimensions are approximate and were calculated by photogrammetry in ANPIC, TID.

FIGURE 8. LAYOUT OF MOSCOW AIRCRAFT ENGINE PLANT NO. 45

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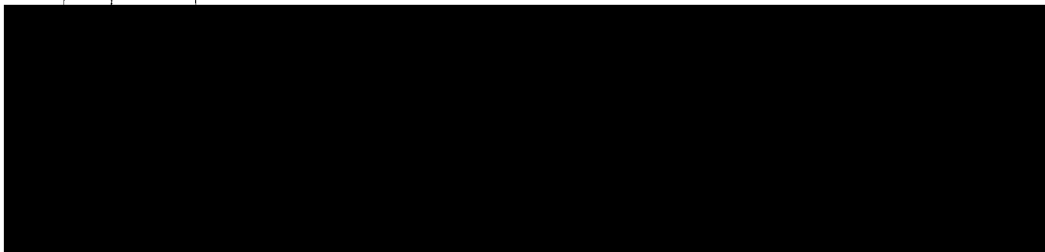
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REFERENCES

25X1D



MAPS OR CHARTS

ACIC, US Target Complex Mosaic, Series 25, Sheet 0167-9598-3-25MA, 2d ed, Dec 53, scale 1:25,000 (SECRET)

ACIS, USAF Target Mosaic, Series 10, Sheet 0167-0044-10MA, 1st ed, Feb 51, scale 1:10,000 (SECRET)

REQUIREMENT

CIA, C-RR1-S1,318

PROJECT

C-1439/64

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